PATENT COOPERATION TREATY

OREN RECHES FOB 913 13 HADATNA ST ZORAN, ISRAEL 42823 WRITTEN OPINION (PCT Rule 43bis.1) Date of mailing (daymonth/spar) (PCT Rule 43bis.1) Date of mailing (daymonth/spar) FOR FURTHER ACTION See paragraph 2 below OVR01 International application No. International filing date (daymonth/spar) PCT/LIOS/00260 O6 March 2005 (06.03.2005) O6 March 2005 (06.03.2005) O8 March 2004 (08.03.2004) International Patent Classification (PC) or both national classification and IPC IPC(T): GOGF 15/177, 15/173; H04L 12/56 and US Cl.: 709/223, 221, 225; 370/389 Applicant FIRST OVERSI LTD. 1. This opinion contains indications relating to the following items: Box No. II Priority Box No. III Priority Box No. IV Lock of unity of invention Box No. VR Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability, cliations and explanations supporting such statement Box No. VII Certain documents cited Box No. VIII Certain committee cited Box No. VIII Certain	From the INTERNATIONAL SEARCE	HING AI TH	יייין מס			
SEAR STATE 1882 1	To: OREN RECHES			PCT REC'D 0 3 OCT 2005		
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Applicant's or agent's file reference OVR01 International application No. International filing date (day/month/year) PCT/ILO5/00260 06 March 2005 (06.03.2005) International Patent Classification (IPC) or both national classification and IPC IPC(7): G06F 15/177, 15/173; H04L 12/56 and US CL: 709/223, 221, 225; 370/389 Applicant I. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. VI Reasoned statement under Rule 436is.1(a)(i) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain documents cited Box No. VIII Certain defects in the international application Box No. VIII Certain observations on the international application 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority (TPEA') except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, as written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority data, whichever expires later: For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/ US Mail Stop PCT, Atm. ISA/US Commissions for Falents P.O. Bux 1450 Authority of the Commission of Palents P.O. Bux 1450 Authority of the Commission of Palents P.O					90 SED 2005	
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Facsimile No. (571) 273-8300	P.O. Box 1450			Telephone No. 57	1-272-4006	
	Facsimile No. (571) 273-8300					

International application No.
PCT/IL05/00260

Box No. I Basis of this opinion
 With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
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International application No. PCT/IL.05/00260

Statement			
Novelty (N)	Claims	NONE	YE
	Claims		 NC
Inventive step (IS)	Claima	NONE	YE
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Industrial applicability (IA)	Claims	1-36 NONE	 YE
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International application No. PCT/IL05/00260

Supplemental Box			
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V. 2. Citations and Explanations:

Claims 1-36 lack novelty under PCT Article 33(2) as being anticipated by Hong et al. US. Pub. No. 2002/0062372.

Regarding to claim 1, Hong teaches a method for managing peer to peer traffic, the method comprising: identifying a peer to peer request (paragraphs 0007-0009, 0012-0015); and in response providing at least one address of a peer to peer server within a cluster that is adapted to service peer to peer requests (paragraphs 0017-0022, 0039, 0047).

Regarding to claim 2, Hong teaches wherein the stage of providing involves providing contact information of multiple peer to peer servers, whereas at least two peer to peer servers belong to a cluster (paragraphs 0012, 0020, 0026, 0051, 0083).

Regarding to claim 3, Hong teaches further comprising caching, at the cluster, at least one peer to peer file and providing the at least one cached peer to peer file to a user (paragraphs 0017-0022, 0039, 0047).

Regarding to claim 4, Hong teaches wherein the caching involves applying a hash function (paragraphs 0052-0055, 0076).

Regarding to claim 5, Hong teaches wherein the stage of providing comprises checking if the requested file is also stored outside the cluster (paragraphs 0014, 0049, 0083).

Regarding to claim 6, Hong teaches further comprises a stage of providing contact information of possible file resource (paragraphs 0073, 0083, 0091).

Regarding to claim 7, Hong teaches wherein the provided contact information of possible file resource is responsive to at least one user parameter (paragraphs 0073, 0083, 0091).

Regarding to claim 8, Hong teaches wherein the provided contact information of possible file resources is responsive to at least one file source parameter or path parameter (paragraphs 0007-0009, 0063-0068, 0076).

Regarding to claim 9, Hong teaches further comprising caching peer to peer file regardless of a request to retrieve a peer to peer file (paragraphs 0009, 0012-0014, 0039, 0049).

Regarding to claim 10, Hong teaches further comprising providing an encrypted file to the user (paragraphs 0038, 0043-0047, 0059).

Regarding to claim 11, Hong teaches a system for managing peer to peer traffic, the system comprises: a cluster of peer to peer servers (figure 1); and a first device adapted to identify a peer to peer request and to provide at least one address of a peer to peer within a cluster (paragraphs 0017-0022, 0039, 0047).

Regarding to claim 22, Hong teaches a method for managing peer to peer traffic, the method comprising: providing a cache that is adapted to service peer to peer request from a first group of user (paragraphs 0017-0022, 0039, 0047); monitoring peer to peer traffic between at least one other group of user (paragraphs 0039, 0065); and selectively caching at the cache at least a portion of the monitored

Form PCT/ISA/237 (Supplemental Box) (January 2004)

International application No. PCT/IL05/00260

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

peer to peer traffic (paragraphs 0009, 0012-0014, 0039, 0049).

Regarding to claim 23, Hong teaches a method for managing requests to receive a file, the method comprising: identifying a request to receive a file over a network (paragraphs 0007-0009, 0012-0015); and in response providing at least one address of a server within a cluster that is adapted to service requests to receive a file (paragraphs 0017-0022, 0039, 0047).

Regarding to claim 30, Hong teaches a system for managing traffic, the system comprises: a cluster of servers (figure 1); and a first device adapted to identify a request to receive a file over a network and to provide at least one address of a server within the cluster (paragraphs 0017-0022, 0039, 0047).

Regarding to claims 12-21, 24-29, and 31-35 have similar limitations as claims 2-10; therefore, they are rejected under the same rationale.

Regarding to claim 36, Hong teaches further comprising a load balancer (paragraphs 0002-0004, 0006).

Claims 1-36 meet the criteria set out in PCT Article 33(4) and thus have industrial applicability because the subject matter claimed can be made or used in industry.

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PATENT COOPERATION TREATY

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PCT/IL05			06 March 2005 (06.03.20		08 March 2004 (08.03.2004)	
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	Box No. VII	Certain defe	ects in the international app	olication		
	Box No. VIII	Certain obs	ervations on the internation	nal application		
	THER ACTIO					
Intern Autho	ational Prelimina crity other than th	ary Examinin	g Authority ("IPEA") ex	cept that this does PEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an e International Bureau under Rule 66.1bis(b) red.	
IPEA	a written reply to	gether, where	e, considered to be a writt e appropriate, with amend expiration of 22 months fro	ments, before the exp	EA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.	
	orther options, see			•		
3. For fu	rther details, see	notes to Form	PCT/ISA/220.			
	•			1 /		
Name and	mailing address o	of the ISA/ US		Authorized office		
N	Mail Stop PCT, Attn: ISA/US					
F	Commissioner for Patents P.O. Box 1450					
	Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-8300				1-272-4006	
	CA/227 (corres els			1//		

International application No.
PCT/IL05/00260

Box No	. I Basis of this opinion
	egard to the language, this opinion has been established on the basis of the international application in the language in which it led, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
	egard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ion, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additio	onal comments:
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	ISA /227(Day N. T. Y. (Tamana 2004)

International application No. PCT/IL05/00260

ox No.	V Reasoned statement under Rule applicability; citations and expl	e 43 <i>bis</i> .1(a)(i) anations supp	with regard to novelty, inventive step orting such statement	or industrial	
1. Statement					
	Novelty (N)	Claims	NONE	YES	
		Claims		NO	
	Inventive step (IS)	Claims	NONE	YES	
	nivernity stop (15)	Claims		NO	
	Industrial applicability (IA)	Claims	1-36	YES	
	industrial approximation (in 1)	Claims		NO	
Citation	ns and explanations:				
ase See	Continuation Sheet				
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International application No. PCT/IL05/00260

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V. 2. Citations and Explanations:

Claims 1-36 lack novelty under PCT Article 33(2) as being anticipated by Hong et al. US. Pub. No. 2002/0062372.

Regarding to claim 1, Hong teaches a method for managing peer to peer traffic, the method comprising: identifying a peer to peer request (paragraphs 0007-0009, 0012-0015); and in response providing at least one address of a peer to peer server within a cluster that is adapted to service peer to peer requests (paragraphs 0017-0022, 0039, 0047).

Regarding to claim 2, Hong teaches wherein the stage of providing involves providing contact information of multiple peer to peer servers, whereas at least two peer to peer servers belong to a cluster (paragraphs 0012, 0020, 0026, 0051, 0083).

Regarding to claim 3, Hong teaches further comprising caching, at the cluster, at least one peer to peer file and providing the at least one cached peer to peer file to a user (paragraphs 0017-0022, 0039, 0047).

Regarding to claim 4, Hong teaches wherein the caching involves applying a hash function (paragraphs 0052-0055, 0076).

Regarding to claim 5, Hong teaches wherein the stage of providing comprises checking if the requested file is also stored outside the cluster (paragraphs 0014, 0049, 0083).

Regarding to claim 6, Hong teaches further comprises a stage of providing contact information of possible file resource (paragraphs 0073, 0083, 0091).

Regarding to claim 7, Hong teaches wherein the provided contact information of possible file resource is responsive to at least one user parameter (paragraphs 0073, 0083, 0091).

Regarding to claim 8, Hong teaches wherein the provided contact information of possible file resources is responsive to at least one file source parameter or path parameter (paragraphs 0007-0009, 0063-0068, 0076).

Regarding to claim 9, Hong teaches further comprising eaching peer to peer file regardless of a request to retrieve a peer to peer file (paragraphs 0009, 0012-0014, 0039, 0049).

Regarding to claim 10, Hong teaches further comprising providing an encrypted file to the user (paragraphs 0038, 0043-0047, 0059).

Regarding to claim 11, Hong teaches a system for managing peer to peer traffic, the system comprises: a cluster of peer to peer servers (figure 1); and a first device adapted to identify a peer to peer request and to provide at least one address of a peer to peer within a cluster (paragraphs 0017-0022, 0039, 0047).

Regarding to claim 22, Hong teaches a method for managing peer to peer traffic, the method comprising: providing a cache that is adapted to service peer to peer request from a first group of user (paragraphs 0017-0022, 0039, 0047); monitoring peer to peer traffic between at least one other group of user (paragraphs 0039, 0065); and selectively caching at the cache at least a portion of the monitored

Form PCT/ISA/237 (Supplemental Box) (January 2004)

International application No. PCT/IL05/00260

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

peer to peer traffic (paragraphs 0009, 0012-0014, 0039, 0049).

Regarding to claim 23, Hong teaches a method for managing requests to receive a file, the method comprising: identifying a request to receive a file over a network (paragraphs 0007-0009, 0012-0015); and in response providing at least one address of a server within a cluster that is adapted to service requests to receive a file (paragraphs 0017-0022, 0039, 0047).

Regarding to claim 30, Hong teaches a system for managing traffic, the system comprises: a cluster of servers (figure 1); and a first device adapted to identify a request to receive a file over a network and to provide at least one address of a server within the cluster (paragraphs 0017-0022, 0039, 0047).

Regarding to claims 12-21, 24-29, and 31-35 have similar limitations as claims 2-10; therefore, they are rejected under the same rationale.

Regarding to claim 36, Hong teaches further comprising a load balancer (paragraphs 0002-0004, 0006).

Claims 1-36 meet the criteria set out in PCT Article 33(4) and thus have industrial applicability because the subject matter claimed can be made or used in industry.